

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A computer-implemented method comprising:
synchronizing existing target inventory location information with source inventory location
information, wherein
the existing target inventory location information is stored in a target inventory location
record at a target system,
the source inventory location information is stored at a plurality of source systems,
the plurality of source systems are ones of a plurality of computer systems,
the target system is another of the plurality of computer systems, and
the synchronizing comprises
 extracting the source inventory location information from a plurality of source
 inventory location records, wherein
 at least one of the plurality of source inventory location records is
 extracted from a first source system,
 at least one of the plurality of source inventory location records is
 extracted from a second source system,
 the source inventory location information from each of the plurality of
 source inventory location records is in one of a plurality of source
 formats, and
 each one of the plurality of source formats corresponds to at least one of
 the plurality of source systems,
generating intermediate source inventory location information by converting the
source inventory location information into an intermediate format,
wherein
the converting the source inventory location information into the
intermediate format comprises
determining whether a record exists, wherein
the record is associated with the source inventory
location information,

if the record exists, accessing a common object, wherein
the common object is associated with the record, and
if the record does not exists, creating the record and the
common object, and
the common object comprises the intermediate source inventory
location information, and

converting the intermediate source inventory location information into target
inventory location information, wherein
the target inventory location information is in a target format, and
the target format corresponds to the target system.

2. (Currently Amended) The method of Claim 1, further comprising:
using the target inventory location information in the target format to ~~perform at least~~
~~one computer-implemented act from a set of computer-implemented acts~~
~~comprising: creating the~~
create a target inventory location record in the target system if the target
inventory location record does not exist.
3. (Previously Presented) The method of Claim 1, further comprising:
extracting inventory location information in a second source format that is associated
with a second source system that is distinct from the first source system, wherein
the second source system is one of the plurality of source systems;
converting the inventory location information in the second source format into inventory
location information that is in the intermediate format;
converting the inventory location information in the intermediate format into inventory
location information in the target format; and
using the inventory location information in the target format to perform at least one
computer-implemented act from a set of computer-implemented acts comprising:
creating a new inventory location record in the target computerized inventory
management system; and
updating an existing inventory location record in the target computerized
inventory management system.

4. (Previously Presented) The method of Claim 1, wherein
from the at least one of the plurality of source inventory location records from the first source
system, the extracting extracts less than all first source system inventory location
information, and
from the at least one of the plurality of source inventory location records from the second source
system, the extracting extracts less than all second source system inventory location
information.
5. (Previously Presented) The method of Claim 1, wherein
the intermediate format comprises a list of inventory locations class with a hierarchy of
data elements,
the hierarchy of data elements comprises a plurality of inventory location elements, and
each of the plurality of inventory location elements comprises:
 - an identifier for identifying the inventory location element ,
 - a base data element for defining:
 - a location description,
 - a location name, and
 - a location type code ,
 - a list of addresses element for defining a plurality of address elements from a
party class,
 - a list of related business units elements for defining a plurality of business units
associated with the inventory, and wherein each of the plurality of
business units associated with the inventory comprises an identifier
element,
 - a list of related inventory locations for defining a plurality of related inventory
locations, and
 - a custom data element for defining customized attributes for the inventory.

6. (Previously Presented) The method of Claim 5, wherein each of the plurality of address elements comprises:
- an address identifier element;
 - an address base data element, wherein
 - the address data cleansing data element comprises a disable cleansing flag element;
 - an address data cleansing data element;
 - an address relationship data element; and
 - an address custom data element.
7. (Previously Presented) The method of Claim 6, wherein the address relationship data element comprises:
- an address effective end date element;
 - an address occupancy type code element;
 - an address effective start date element;
 - an address type code element; and
 - an address list of roles element.
8. (Previously Presented) The method of Claim 5, wherein each of the plurality of related inventory locations comprises a related inventory location identifier element and a related inventory location type code element.
9. **(Currently Amended)** A non-transitory computer-readable storage medium storing one or more sequences of instructions for managing inventory, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform:
- synchronizing existing target inventory location information with source inventory location information, wherein
 - the existing target inventory location information is stored in a target inventory location record at a target system,
 - the source inventory location information is stored at a plurality of source systems,
 - the plurality of source systems are ones of a plurality of computer systems,
 - the target system is another of the plurality of computer systems, and

the synchronizing comprises

extracting the source inventory location information from a plurality of source inventory location records, wherein
at least one of the plurality of source inventory location records is extracted from a first source system,
at least one of the plurality of source inventory location records is extracted from a second source system,
the source inventory location information from each of the plurality of source inventory location records is in one of a plurality of source formats, and
each one of the plurality of source formats corresponds to at least one of the plurality of source systems,
generating intermediate source inventory location information by converting the source inventory location information into an intermediate format,

wherein

the converting the source inventory location information into the intermediate format comprises

determining whether a record exists, wherein

the record is associated with the source inventory location information,

if the record exists, accessing a common object, wherein

the common object is associated with the record, and

if the record does not exist, creating the record and the common object, and

the common object comprises the intermediate source inventory location information, and

converting the intermediate source inventory location information into target inventory location information, wherein
the target inventory location information is in a target format, and
the target format corresponds to the target system.

10. (Currently Amended) The non-transitory computer-readable storage medium of Claim 9, further comprising:
using the target inventory location information in the target format to ~~perform at least one computer-implemented act from a set of computer-implemented acts comprising: creating~~
create the target inventory location record in the target system if the target inventory location record does not exist.
11. (Previously Presented) The non-transitory computer-readable storage medium of Claim 9, further comprising:
extracting inventory location information in a second source format that is associated with a second source system that is distinct from the first source system, wherein the second source system is one of the plurality of source systems;
converting the inventory location information in the second source format into inventory location information that is in the intermediate format;
converting the inventory location information in the intermediate format into inventory location information in the target format; and
using the inventory location information in the target format to perform at least one computer-implemented act from a set of computer-implemented acts comprising:
creating a new inventory location record in the target computerized inventory management system; and
updating an existing inventory location record in the target computerized inventory management system.
12. (Presently Presented) The non-transitory computer-readable storage medium of Claim 9, wherein the intermediate format comprises a list of inventory locations class with a hierarchy of data elements.
13. (Previously Presented) The non-transitory computer-readable storage medium of Claim 12, wherein the hierarchy of data elements comprises a plurality of inventory location elements comprising additional elements.

14. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises an identifier for identifying the inventory location element.
15. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a base data element for defining:
- a location description;
 - a location name; and
 - a location type code.
16. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a list of addresses element for defining a plurality of address elements from a party class.
17. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a list of related business units elements for defining a plurality of business units associated with the inventory.
18. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a list of related inventory locations for defining a plurality of related inventory locations.
19. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a custom data element for defining customized attributes for the inventory.
20. (Previously Presented) The non-transitory computer-readable storage medium of Claim 16, wherein each of the plurality of address elements comprises:
- an address identifier element;
 - an address base data element;
 - an address data cleansing data element;
 - an address relationship data element; and
 - an address custom data element.

21. (Previously Presented) The non-transitory computer-readable storage medium of Claim 20, wherein the address data cleansing data element comprises a disable cleansing flag element.

22. (Previously Presented) The non-transitory computer-readable storage medium of Claim 20, wherein the address relationship data element comprises:

- an address effective end date element;
- an address occupancy type code element;
- an address effective start date element;
- an address type code element; and
- an address list of roles element.

23. (Previously Presented) The non-transitory computer-readable storage medium of Claim 17, wherein each of the plurality of business units associated with the inventory comprises an identifier element.

24. (Previously Presented) The non-transitory computer-readable storage medium of Claim 18, wherein each of the plurality of related inventory locations comprise a related inventory location identifier element and a related inventory location type code element.

25-32. Canceled.

33. (**Currently Amended**) A computer-implemented method comprising:
synchronizing target inventory location information with source inventory location information,
wherein

the synchronizing comprises

extracting each of a plurality of source inventory location **objects records** from a
corresponding one of a plurality of source inventory location systems,
wherein

the source inventory location **objects records** comprise the source
inventory location information,

at least one of the plurality of source inventory location **objects records** is
extracted from a first source system of the plurality of source
inventory location systems,

at least one of the plurality of source inventory location objects ~~records~~ is
extracted from a second source system of the plurality of source
inventory location systems,
each of the plurality of source inventory location systems employs a
corresponding one of a plurality of source formats,
each of the plurality of source inventory location objects ~~record~~ is stored
in a source format of the source formats employed by the
corresponding one of the plurality of source inventory location
systems, and
the plurality of source systems are ones of a plurality of computer systems,
generating intermediate source inventory location information, wherein
the intermediate source inventory location information is in an
intermediate format,
~~a plurality of converted source inventory location records comprise~~
~~the intermediate source inventory location information,~~
the generating comprises
converting the each of the source inventory location objects
~~records~~ into a corresponding one of the plurality of
~~converted source inventory records~~ common objects,
wherein
the converting the each of the source inventory location
objects into the corresponding one of the
plurality of common objects comprises
determining whether each corresponding record
exists, wherein
the each corresponding record is
associated with the each of the
source inventory location objects,

if the each corresponding record exists, accessing
each corresponding common object out of
the plurality of common objects, wherein
the each corresponding common object is
associated with the each
corresponding record, and
if the each corresponding record does not exists,
creating the each corresponding record
and the each corresponding common
object, and
the plurality of common objects comprise the
intermediate source inventory location
information, and
each of the plurality of common objects ~~converted source inventory~~
~~records~~ corresponds to a source inventory location object record
of the plurality of source inventory location objects ~~records~~, and
~~each of the plurality of converted source inventory records is in the~~
~~intermediate format, and~~
converting the intermediate source inventory location information into the target
inventory location information, wherein
the target inventory location information is in the target format.

34. (Previously Presented) The method of claim 33, further comprising
determining whether a target inventory location record exists at a target system, wherein
the target system is another of the plurality of computer systems,
the target inventory location record is in the target format; and
if the target inventory location record exists at the target system, updating the target
inventory location record with the target inventory location information, wherein
the updating is performed by an integration server, and
the updating comprises
causing the integration server to push the target inventory location
information to the target system, and
if the target inventory location record does not exist at the target system,
creating the target inventory location record at the target system, and
storing the target inventory location information in the target inventory location
record.
35. (Previously Presented) The method of Claim 1, wherein
the synchronizing is performed using an integration server,
the synchronizing is performed in response to a trigger received by the integration server,
and
the trigger indicates that at least one of the plurality of source systems has indicated that
the synchronizing should be performed.
36. (Previously Presented) The method of Claim 1, wherein the converting comprises:
generating updated target inventory location information by updating the target inventory
location record using the target inventory location information, wherein
the synchronizing is performed using an integration server, and
the updating comprises
causing the integration server to push the target inventory location
information to the target system.

- 37. (New) The method of Claim 2, further comprising:
in response to the creation of the target inventory location record in the target
system, transmitting an update message to update the record associated with
the source inventory location information.**
- 38. (New) The method of claim 37, further comprising:
in response to receiving the update message, updating the record that is associated
with the source inventory location information to indicate the target
inventory location record.**